PATENT COOPERATION TREATY

REC'D 14 APR 2005
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From the
INTERNATIONAL SEARCHING AUTHORITY

To:

see form PCT/ISA/220

PCT

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY
(PCT Rule 43*bis*.1)

Date of mailing *(day/month/year)* see form PCT/ISA/210 (second sheet)	
Applicant's or agent's file reference see form PCT/ISA/220	**FOR FURTHER ACTION** See paragraph 2 below

International application No.	International filing date *(day/month/year)*	Priority date *(day/month/year)*
PCT/IT2005/000028	20.01.2005	21.01.2004

International Patent Classification (IPC) or both national classification and IPC
B65H19/18

Applicant
FABIO PERINI S.P.A.

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43*bis*.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notifed the International Bureau under Rule 66.1*bis*(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA:

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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/IT2005/000028

Box No. I Basis of the opinion

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

   ☐ This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).

2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:

   a. type of material:

   ☐ a sequence listing

   ☐ table(s) related to the sequence listing

   b. format of material:

   ☐ in written format

   ☐ in computer readable form

   c. time of filing/furnishing:

   ☐ contained in the international application as filed.

   ☐ filed together with the international application in computer readable form.

   ☐ furnished subsequently to this Authority for the purposes of search.

3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

4. Additional comments:

Box No. V Reasoned statement under Rule 43*bis*.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes:	Claims	10,12,13,17,18,19,21,23,24,25
	No:	Claims	1-9,14-16,20,22
Inventive step (IS)	Yes:	Claims	11,19,21
	No:	Claims	10,12,13,17,18,23,24,25
Industrial applicability (IA)	Yes:	Claims	1-25
	No:	Claims	

2. Citations and explanations

see separate sheet

Re Item V.

1 Reference is made to the following documents:
D1 : US 2 205 867 A (SCOTT WALTER C) 25 June 1940 (1940-06-25)
D2 : US 3 172 613 A (J.M. SIMONS ET AL) 9 March 1965 (1965-03-09)

2 INDEPENDENT CLAIM 1

2.1 The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of **claims 1 and 14** is not new in the sense of Article 33(2) PCT.

Document D1 discloses (the references in parentheses applying to this document):

an unwinding device for unwinding reels of web material, comprising:

- a rotating element (11,12) with supports (29, 30) for at least two reels;
- a splicing member to join a first web material (18) coming from an expiring reel (though this is not depicted in the drawing, it is however implicitly disclosed in the text, see right-hand column on page 2, line 10-18) to the initial free end of a second web material wound on a new reel,
wherein at least one mechanical member (20-27) is associated with each support (29, 30), to retain the free end of the reel disposed on said support (cf. **claim 1**).

D1 furthermore discloses

a method for continuously feeding a web material wound on a reel (15, 16, 17) to a (not depicted) processing machine, comprising the phases of:
- feeding a first web material at a speed from a first reel;
- carrying in rotation a second reel with a second web material;
- when the feed speed of the first web material is essentially the same as the peripheral speed of the second reel, joining the first web material to the second web material and interrupting the first web material upstream of the splicing area between the first and the second material (this method steps well of the preamble describe the

usual so-called flying splicing),
comprising as well holding the initial free end of the second web material adherent to the second reel, until splicing of the first and of the second material, by means of at least one mechanical member (20-27) which rotates with said second reel; and carrying said at least one mechanical member to an idle position after said splicing (see especially right-hand column on page 2, line 10-18).

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MARTINA CAPANNOLI GHERARDI

IRMA DEL/DEI ICHIEDENTE/I	DR. LUISA BACCARO MANNUCCI


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è indicato il materiale nastriforme della bobina B1 e con N2 il materiale nastriforme della bobina B2. I bracci secondari 9, 11 portano due rullini 17, 19 di rinvio del materiale nastriforme.

Ciascun supporto 13, 15 è motorizzato e porta mezzi di per sé noti e non mostrati per bloccare torsionalmente una rispettiva bobina di materiale nastriforme, al fine di trascinarla in rotazione. In questo caso, infatti, il dispositivo è ad azionamento centrale, cioè le bobine vengono portate in rotazione tramite un supporto centrale ruotante. Non si esclude, peraltro, che esse vengano portate in rotazione da un sistema svolgitore periferico, costituito ad esempio da cinghie in contatto con la superficie cilindrica delle bobine stesse.

Su ciascun supporto 13, 15 è supportato ed è torsionamente vincolabile un organo meccanico genericamente indicato con 21 (Fig.6), comprendente un braccio allungabile 23 estendentesi radialmente dal supporto 13 o 15. Il braccio allungabile 23 è vincolabile e svincolable torsionalmente rispetto al supporto 13, 15 tramite un sistema pneumatico, idraulico od altro, di per sé noto e schematicamente indicato con 24.

L'estremità distale del braccio 23 porta un rullino folle 25, estendentesi parallelamente all'asse del


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sizione arretrata, nel verso di rotazione della bobina, rispetto alla posizione in cui detto organo meccanico (21) trattiene il lembo libero iniziale (T) del secondo materiale nastriforme (N2).

16. Metodo come da rivendicazione 15, caratterizzato di premere tra loro il primo ed il secondo materiale nastriforme in corrispondenza di detto mezzo adesivo per provocare la giunzione di detti materiali nastriformi.

17. Metodo come da rivendicazioni 14 o 15, caratterizzato dal fatto che detto primo e detto secondo materiale nastriforme comprendono ciascuno almeno un velo di carta tissue.

18. Metodo come da rivendicazione 16, caratterizzato dal fatto che ciascuno di detti veli di carta tissue ha un peso per unità di superficie compreso fra 15 e 60 g/m^2 e preferibilmente fra 15 e 30 g/m^2.

19. Metodo come da una o più delle rivendicazioni 14 a 17, caratterizzato dal fatto che detti materiali nastriformi (N1, N2) sono costituiti da più veli e di unire per mollettatura i veli della porzione terminale del primo materiale nastriforme prima della giunzione al secondo materiale nastriforme.

20. Metodo come da una o più delle rivendicazioni 14 a 18, caratterizzato dal fatto di accoppiare torsio-

perini

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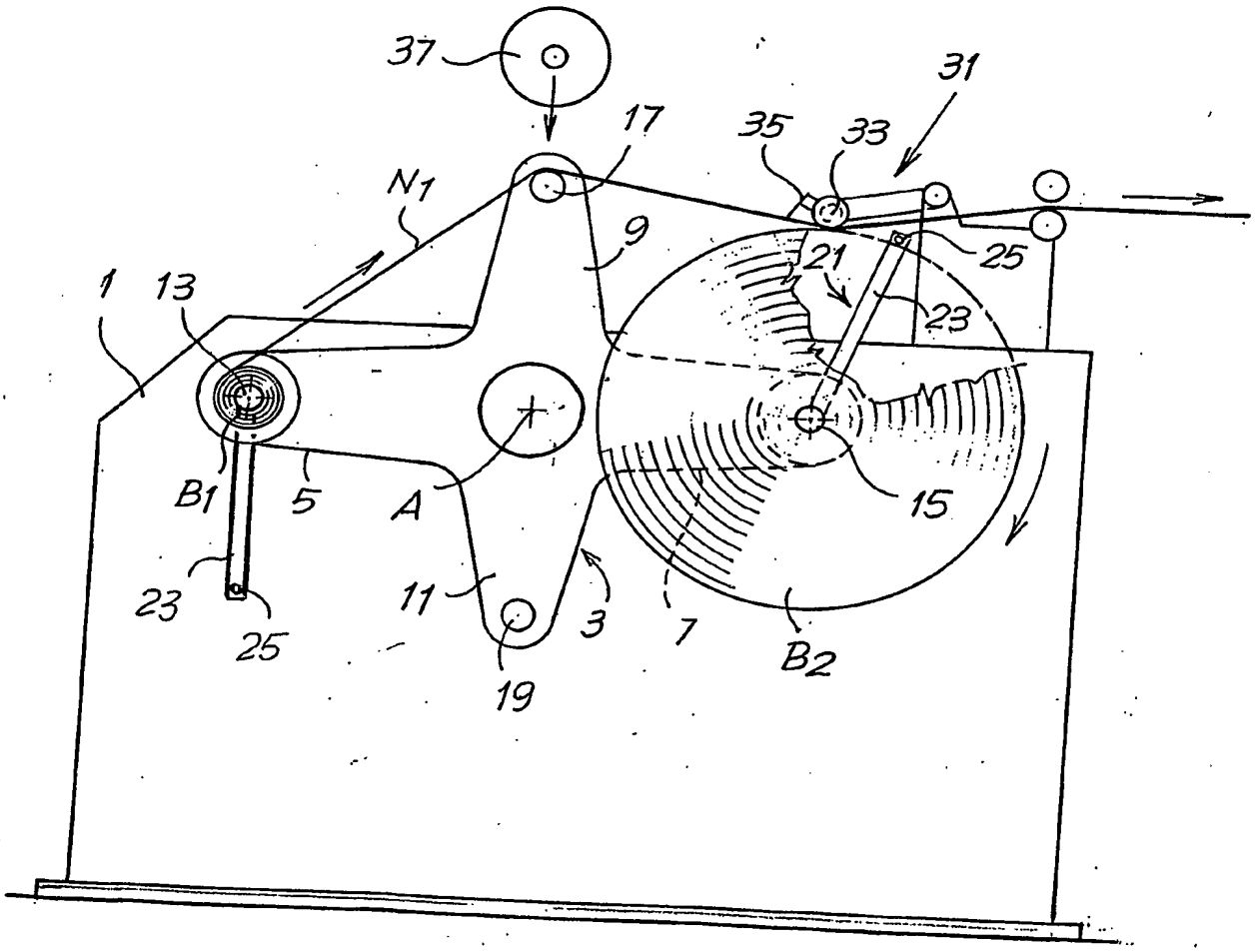
Fig.1



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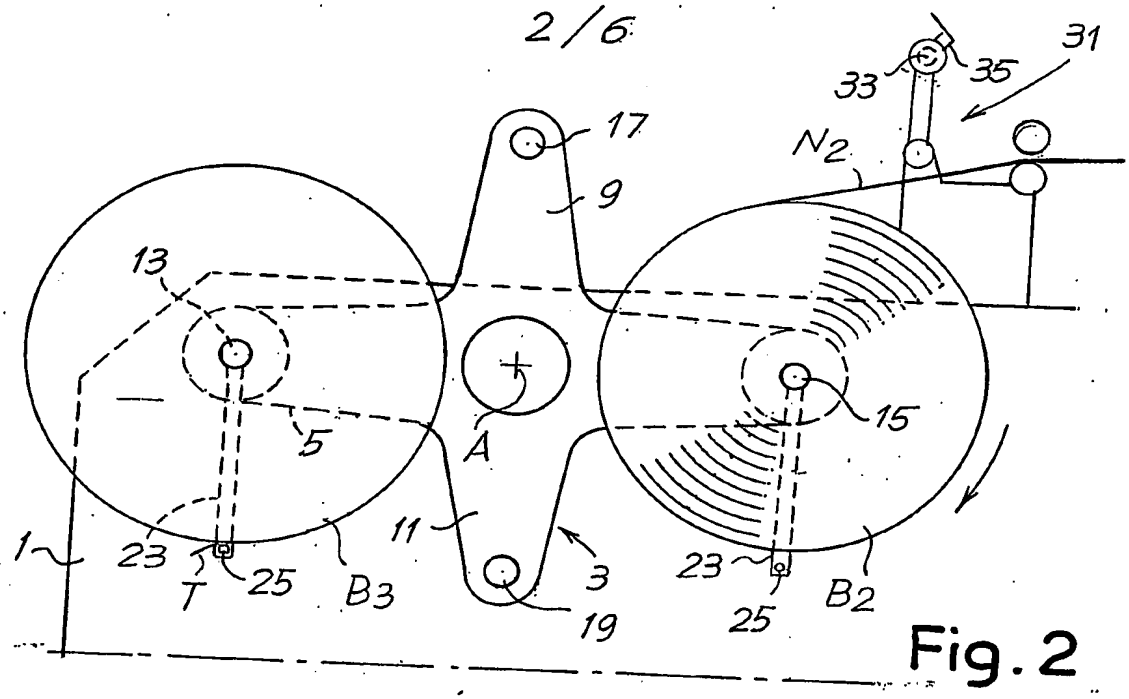


Fig. 2

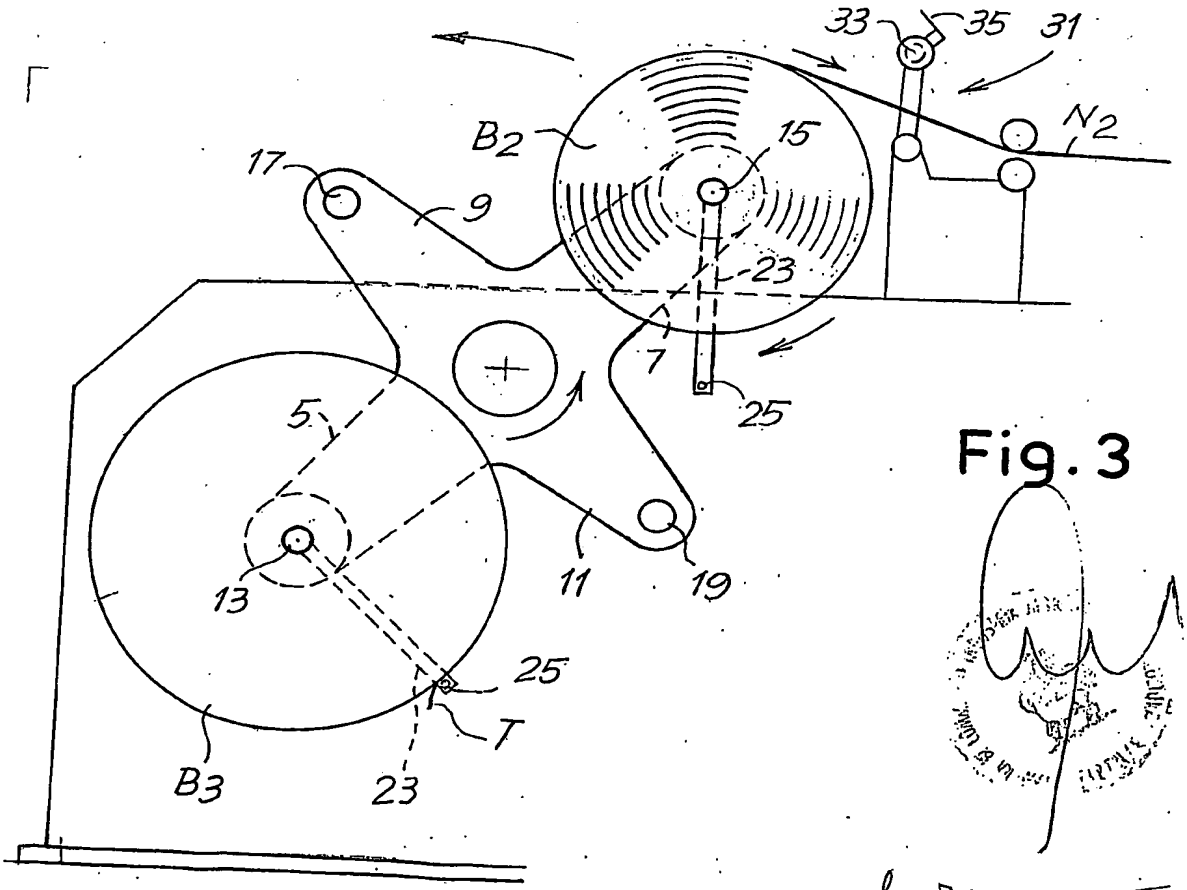


Fig. 3

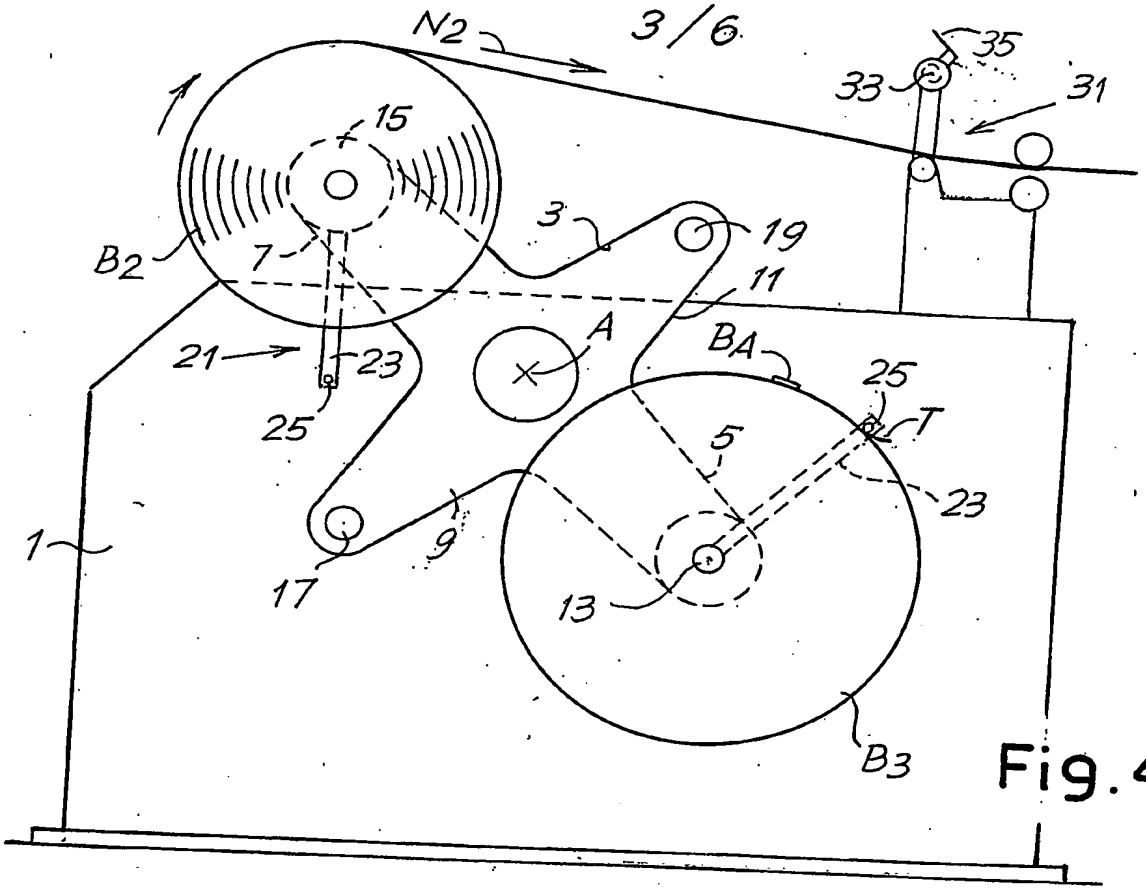
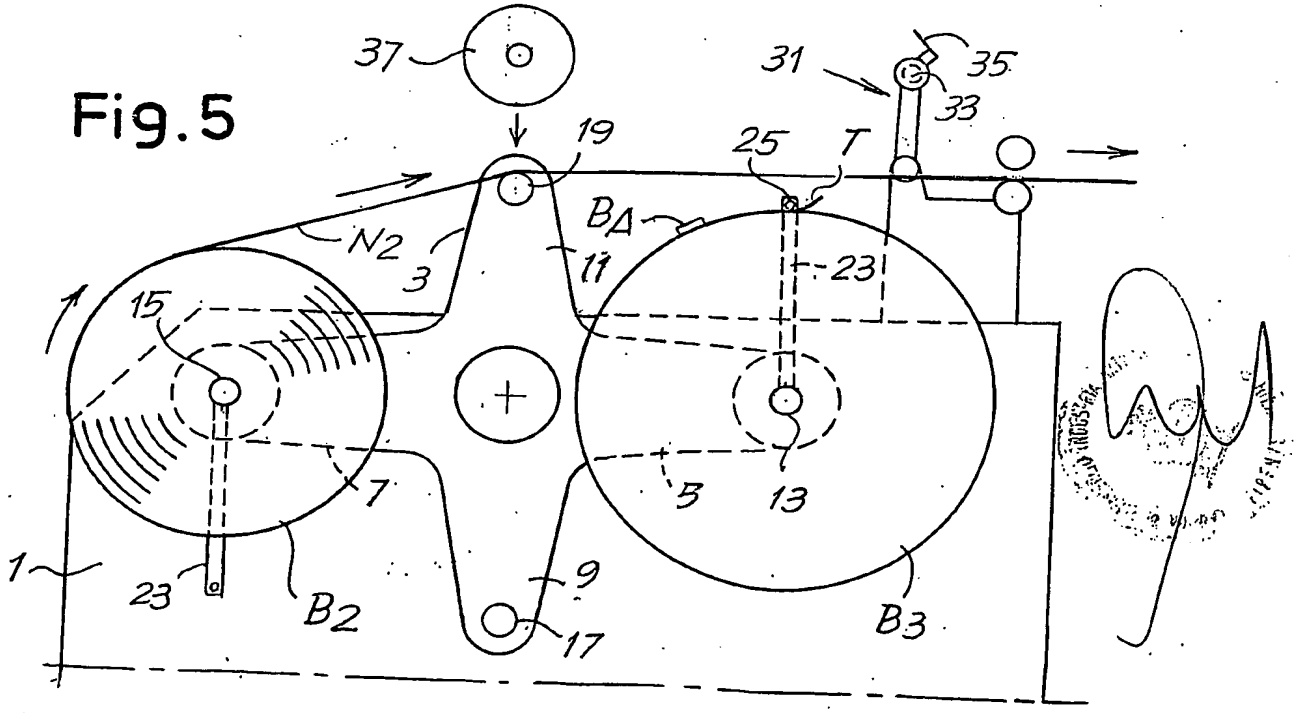


Fig.4

Fig.5



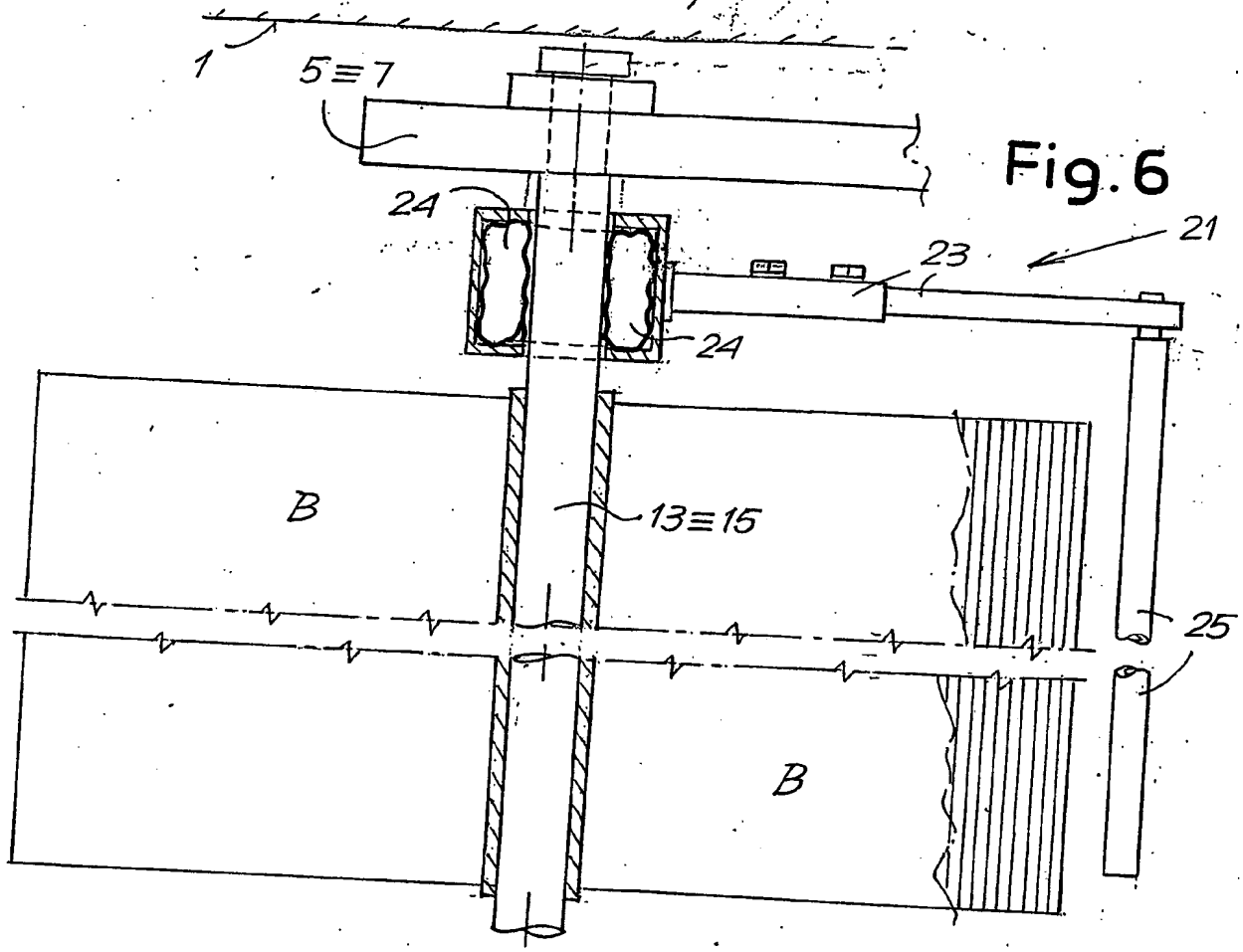


Fig.6

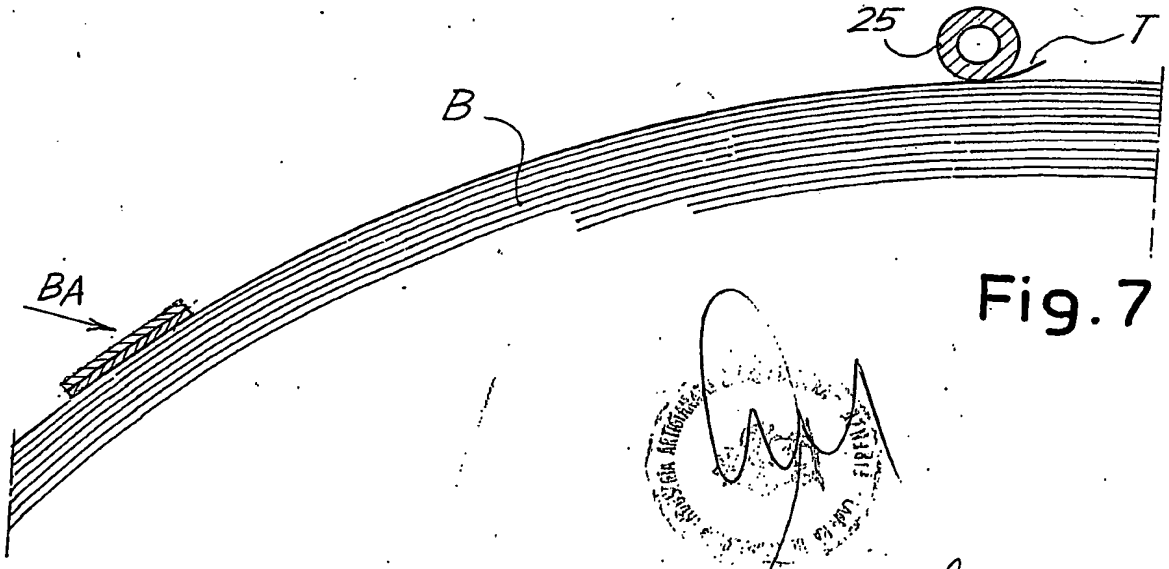


Fig.7

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IX

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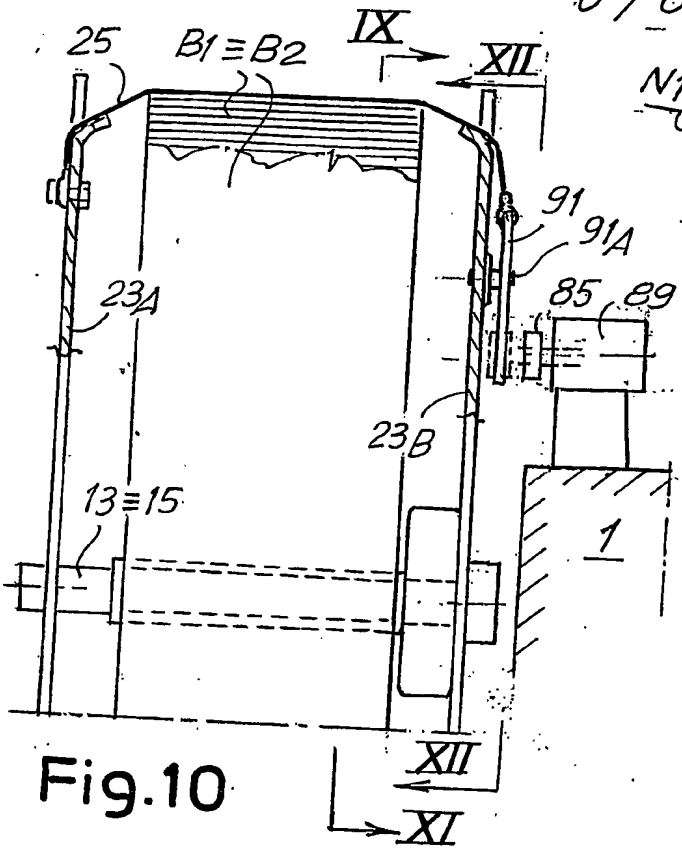

Fig.10

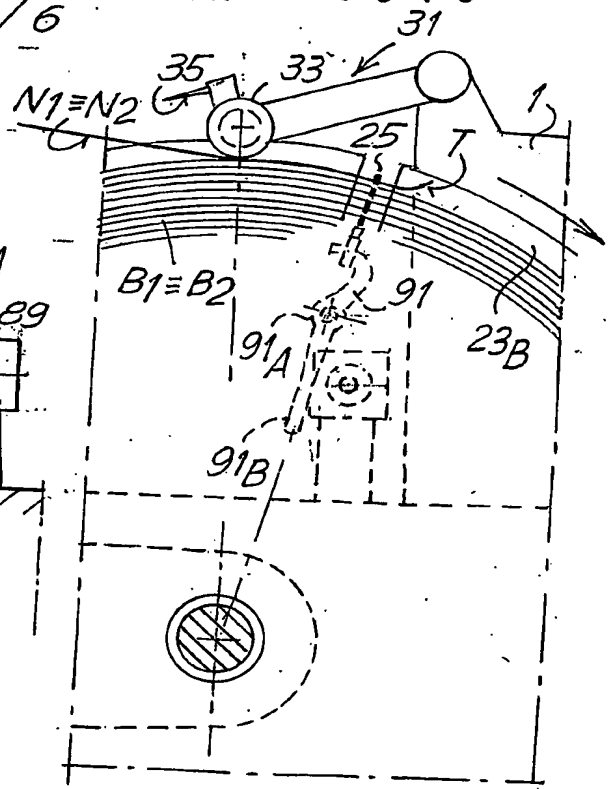

Fig.11

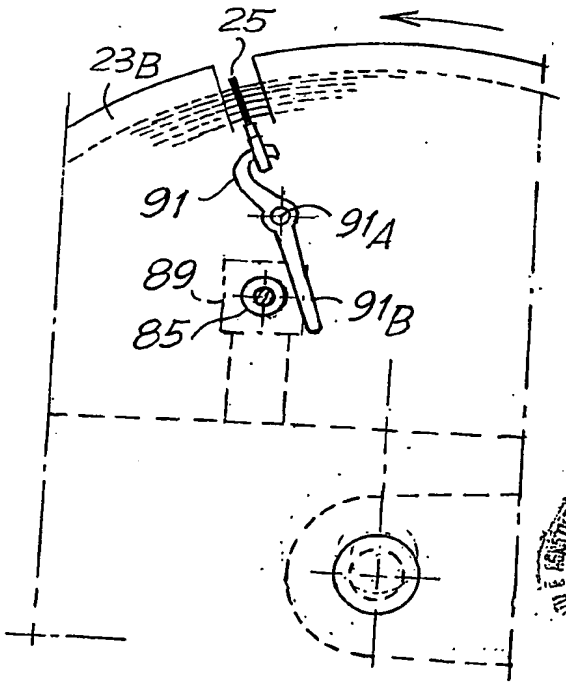

Fig.12

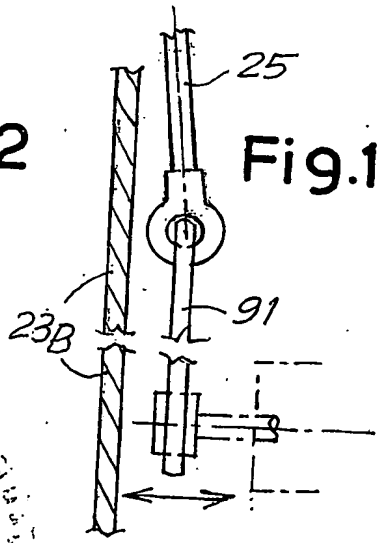

Fig.13